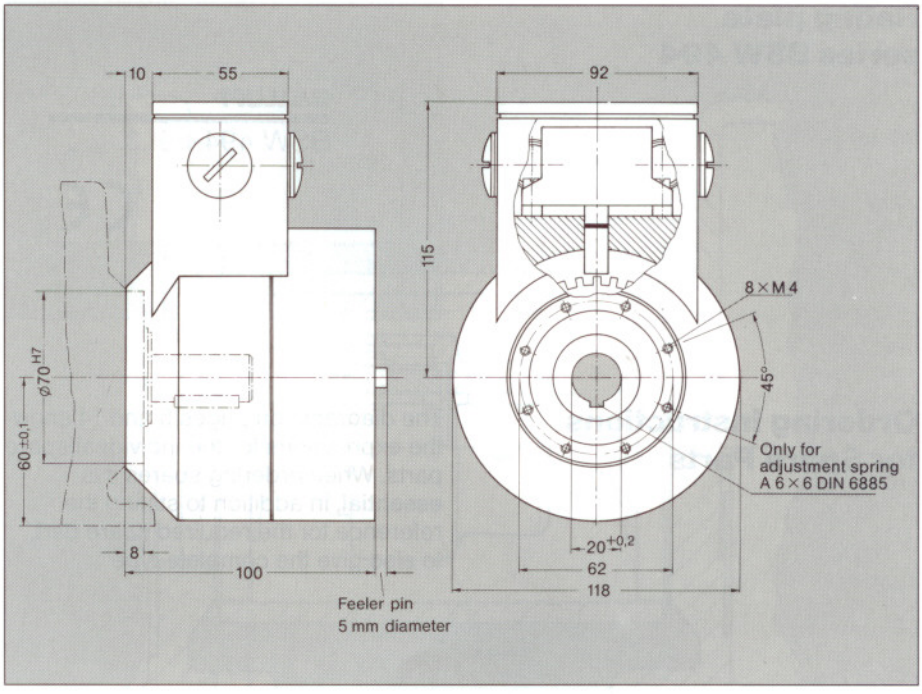
BSW 502-00-65
BSW 502-00-66



Installation

This external brake unit can also be fitted to the shaft end (L = 40 mm) of the BALLUFF switchgear as an additional unit.
This therefore also makes it possible to provide switchgear with this braking device at a later date.
The plug-in unit is completely pre-assembled and is flange-mounted to the free end of the shaft (opposite the drive side, i. e after the last switching point).
The plug-in unit can be mounted at an angle of 45° or 90° respectively to the left or right. It is secured to the switchgear unit by means of M 4 screws.

Construction

The brake device plug-in unit is available in the following types:

with speed monitor,
type **BSW 502-00-65**

without speed monitor,
type **BSW 502-00-66.**

Both versions are mounted in the same aluminium casing.

The brake device is a permanently acting brake which brings the switchgear shaft to an immediate standstill should the shaft fail. In addition it also prevents backwards rotation of the shaft which could lead to false signals being triggered. The brake device also compensates for external play.

The disc is connected to the rotating hollow shaft of the plug-in unit and therefore rotates analog to the switchgear shaft.

The braking disc is brake pad with a 5 mm thick rigidly connected to the casing lid. A spring presses this brake pad constantly against the rotating disc.

A feeler pin which protrudes 5 mm out of the casing when the unit is new allows an optical or manual check to be carried out to determine the amount of wear on the brake pad.

The brake disc must be replaced (order reference **703 819)** as soon as the feeler pin only protrudes 1 mm out of the lid.

The maximum speed when using the braking device is 200/min.

The mean torque is approximately 1.2 Nm.

The operational life of the brake pad is approx. 5 million revolutions.

The pulse pickup for the speed monitor consists of:
- A gear wheel with 30 teeth
- An inductive electronic component BES 517-110 (Code PA), 10...60 V DC, PNP technique with normally closed and normally open function.

BALLUFF speed monitor units BES 516-604 AZ ... DZ with forced-operated relay contacts are available for evaluation purposes (see page 32).